

# Converting Colors

$Yxy(43.6217, 0.2697, 0.3695)$

Have a look what the booklet for  
Yxy(43.6217, 0.2697, 0.3695)  
contains.

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# Color

**Yxy(43.6406, 0.2696, 0.3687)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CC0A6
RGB	108, 192, 166
RGB Percent	42%, 75%, 65%
CMY	0.5767, 0.2470, 0.3491
CMYK	0.44, 0.00, 0.14, 0.25
HSL	161°, 40%, 59%
HSV	161°, 44%, 75%
XYZ	31.9108, 43.6406, 42.8121
YIQ	163.9200, -41.7180, -25.8940

# Conversions

## Conversions Part 2

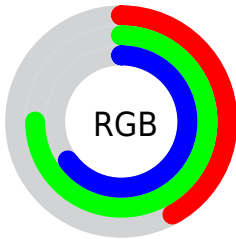
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 158, 192
Decimal	7127206
CIELab	71.99, -31.75, 5.18
CIElCh	72, 32.165, 170.729
Yxy	43.6406, 0.2696, 0.3687
Android (android.graphics.Color)	4285317286 (0xFF6CC0A6)
YUV	163.9200, 1.0254, -49.0418
Hunter-Lab	66.0610, -29.3824, 7.8188

# Details

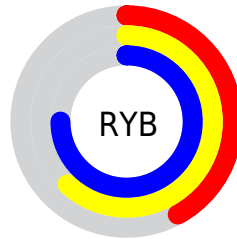
The Yxy color **43.6406, 0.2696, 0.3687** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.6419, 0.3901, 0.2937**, and the grayscale version is **37.0886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7584, 0.2775, 0.3613**, and **20.1219, 0.2567, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **42.3557, 0.2626, 0.3797**, and if you desaturate by 10%, it is **45.2041, 0.2780, 0.3584**.

# Distribution



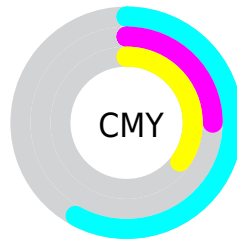
- Red (42%)
- Green (75%)
- Blue (65%)



- Red (42%)
- Yellow (62%)
- Blue (75%)



- Cyan (44%)
- Magenta (0%)
- Yellow (14%)
- Black (25%)




- Cyan (58%)
- Magenta (25%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6406, 0.2696, 0.3687 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 43.6406, 0.2696, 0.3687 by changing the saturation by 10% instead.





 43.6406, 0.2696,  
0.3687

 43.6406, 0.2696,  
0.3687


361.2396, 0.2915,  
0.3482


 30.3881, 0.2640,  
0.3740


 80.6767, 0.2777,  
0.3611

 20.1333, 0.2567,  
0.3810


 105.2290, 0.2807,  
0.3583

 12.4920, 0.2470,  
0.3905


 134.3167, 0.2832,  
0.3559

 7.0797, 0.2331,  
0.4043

 168.3241, 0.2854,  
0.3539

 3.5120, 0.2120,  
0.4259

207.6358, 0.2872,  
0.3522

 1.4045, 0.1633,  
0.4715

252.6360, 0.2888,

 0.2200, 0.0000,

0.3507

1.0000

303.7091, 0.2903,  
0.3494

0.0000, 0.0000,  
0.0000

43.6406, 0.2696,  
0.3687

43.6406, 0.2696,  
0.3687

42.3557, 0.2626,  
0.3797

45.2041, 0.2780,  
0.3584

41.3265, 0.2573,  
0.3911

47.0572, 0.2875,  
0.3487

40.5348, 0.2538,  
0.4028

49.2164, 0.2977,  
0.3399


39.9578, 0.2523,  
0.4146


51.6955, 0.3085,  
0.3318

39.5679, 0.2528,  
0.4262


54.5076, 0.3196,  
0.3246

 39.3866, 0.2537,  
0.4335

 57.6649, 0.3308,  
0.3182

 61.1790, 0.3418,  
0.3125

 63.7965, 0.3473,  
0.3070

 64.1049, 0.3426,  
0.3011

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.6406, 0.3124, 0.4029



43.6406, 0.2696, 0.3687



43.6406, 0.2397, 0.3231

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



43.6406, 0.2696, 0.3687



43.6406, 0.2655, 0.2556



43.6406, 0.4047, 0.3639

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



43.6406, 0.2696, 0.3687



23.6419, 0.3901, 0.2937

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.6406, 0.3910, 0.3272



43.6406, 0.2696, 0.3687



43.6406, 0.3076, 0.2675

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



43.6406, 0.2696, 0.3687



43.6406, 0.2377, 0.2606



43.6406, 0.3543, 0.2929



43.6406, 0.3916, 0.3955



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.6406, 0.2696, 0.3687



43.6406, 0.2301, 0.2954



43.6406, 0.3543, 0.2929



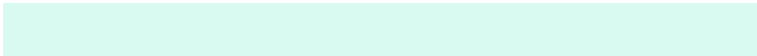
43.6406, 0.4031, 0.3518

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



43.6424, 0.2696, 0.3687



89.4061, 0.2984, 0.3394



43.9014, 0.3267, 0.4556



18.9815, 0.2960, 0.3413



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.6424, 0.2696, 0.3687



76.7210, 0.2626, 0.3797



38.2776, 0.2502, 0.3057



11.3736, 0.3025, 0.3362



26.5135, 0.2533, 0.4320



1.1575, 0.2461, 0.4061



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.6419, 0.3901, 0.2937



35.6182, 0.4184, 0.2865



26.5444, 0.4168, 0.3504



10.1281, 0.3241, 0.3219



7.7687, 0.5702, 0.2915

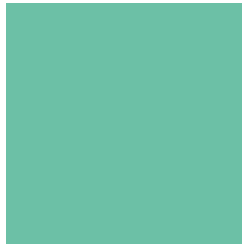


0.3483, 0.5052, 0.2557



# Previews

## White Background



This preview shows how the Yxy color 43.6406, 0.2696, 0.3687 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.6406, 0.2696, 0.3687 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

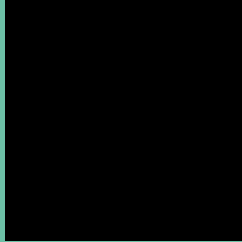
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.6406, 0.2696, 0.3687**

## Background



This preview shows how black text looks on a background with the Yxy color 43.6406, 0.2696, 0.3687.



This preview shows how white text looks on a background with the Yxy color 43.6406, 0.2696, 0.3687.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

43.6406, 0.2696, 0.3687

### Protanopia

43.1615, 0.3351, 0.3533

### Deuteranopia

43.1591, 0.3340, 0.3278



## Tritanopia

43.5868, 0.2523, 0.3075

# Trichromacy



## Original Color

43.6406, 0.2696, 0.3687



## Protanomaly

42.6537, 0.3079, 0.3591



## Deuteranomaly

42.4919, 0.3070, 0.3416



## Tritanomaly

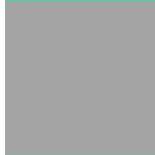
43.6467, 0.2586, 0.3288

# Monochromacy



## Original Color

43.6406, 0.2696, 0.3687



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

38.9180, 0.2940, 0.3423

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6406, 0.2696, 0.3687 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(108, 192, 166)` looks like.

```
.text, #text, p{  
    color:rgb(108, 192, 166)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(108, 192, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 192, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6406, 0.2696, 0.3687 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 192, 166) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(108, 192, 166) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(108, 192, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 192, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 192, 166);  
box-shadow:4px 4px 4px 4px rgb(108, 192,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6406, 0.2696, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 192, 166) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(108,  
192, 166) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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